

# Converting Colors

CIELCh(67, 51.087, 323.085)

Have a look what the booklet for  
CIELCh(67, 51.087, 323.085)  
contains.

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**Color**

**CIELCh(67, 51.229, 323.206)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D289DB
RGB	210, 137, 219
RGB Percent	82%, 54%, 86%
CMY	0.1771, 0.4633, 0.1418
CMYK	0.04, 0.37, 0.00, 0.14
HSL	293°, 53%, 70%
HSV	293°, 37%, 86%
XYZ	48.2211, 36.6320, 71.4362
YIQ	168.1750, 17.1860, 40.9780

# Conversions

## Conversions Part 2

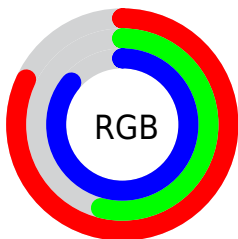
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 137, 219
Decimal	13797851
CIE <sub>Lab</sub>	67.00, 41.02, -30.68
CIE <sub>LCh</sub>	67, 51.229, 323.206
Yxy	36.6320, 0.3085, 0.2344
Android (android.graphics.Color)	4291987931 (0xFFD289DB)
YUV	168.1750, 25.0567, 36.6805
Hunter-Lab	60.5244, 36.2972, -27.6123

# Details

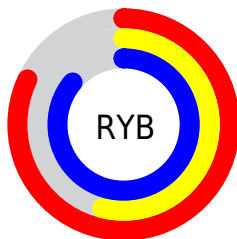
The CIELCh color **67, 51.229, 323.206** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **81, 50.854, 139.083**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 39.507, 325.796**, and **47, 51.410, 323.094** is the 20% darker color. If you saturate the color by 10%, you get **62, 64.226, 323.616**, and if you desaturate by 10%, it is **72, 37.660, 322.750**.

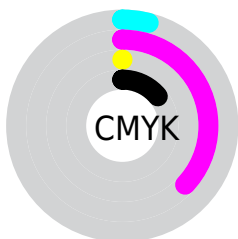
# Distribution



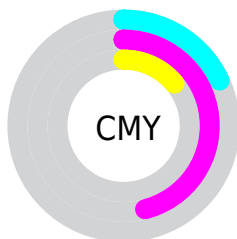
- Red (82%)
- Green (54%)
- Blue (86%)



- Red (82%)
- Yellow (54%)
- Blue (86%)



- Cyan (4%)
- Magenta (37%)
- Yellow (0%)
- Black (14%)




- Cyan (18%)
- Magenta (46%)
- Yellow (14%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 51.229, 323.206 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 67, 51.229, 323.206 by changing the saturation by 10% instead.





 67, 51.229,  
323.206


 67, 51.229,  
323.206


 100, 51.229,  
323.206

 57, 51.229,  
323.206

 87, 51.229,  
323.206

 47, 51.229,  
323.206

 97, 51.229,  
323.206

 37, 51.229,  
323.206

 27, 51.229,  
323.206

 17, 51.229,  
323.206

 7, 51.229, 323.206

 0, 51.229, 323.206

67, 51.229,  
323.206

67, 51.229,  
323.206

62, 64.226,  
323.616

72, 37.660,  
322.750

58, 76.187,  
323.954

78, 23.883,  
322.269

54, 86.546,  
324.189

83, 10.142,  
321.771

51, 94.729,  
324.290

89, 3.399, 141.392

49, 100.303,  
324.233

95, 16.640,  
140.873

48, 103.227,  
324.009

97, 21.549,  
139.581

48, 103.769,  
323.941

97, 21.109,  
137.662

97, 20.693,  
135.651

 98, 20.303,  
133.548

# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



67, 51.229, 323.206



81, 50.854, 139.083

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 51.229, 323.206



67, 51.229, 13.206



67, 51.229, 143.206



67, 51.229, 193.206

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



67, 51.227, 323.206



93, 16.964, 321.955



63, 40.575, 290.312



49, 11.409, 322.023



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67, 51.227, 323.206



73, 69.134, 323.536



67, 40.594, 340.998



43, 7.738, 321.871



38, 87.211, 324.006



6, 34.093, 324.365



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



66, 33.502, 14.642



71, 46.380, 16.103



81, 39.711, 154.464



43, 4.679, 11.086



36, 73.639, 35.106

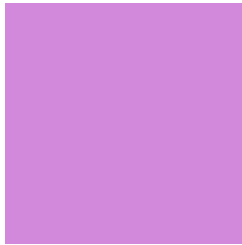


5, 23.726, 15.526



# Previews

## White Background



This preview shows how the CIELCh color 67, 51.229, 323.206 looks on a white background.

## Color Contrast Check

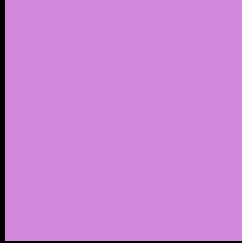
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 67, 51.229, 323.206 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

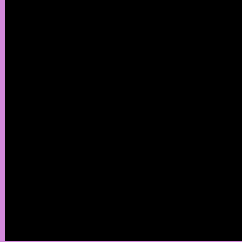
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 67, 51.229, 323.206

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 51.229, 323.206.



This preview shows how white text looks on a background with the CIELCh color 67, 51.229, 323.206.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy







**Tritanopia**  
67, 21.646, 5.486

# Trichromacy



**Original Color**  
67, 51.229, 323.206



**Protanomaly**  
67, 44.012, 299.384



**Deuteranomaly**  
67, 36.270, 304.762



**Tritanomaly**  
67, 29.816, 341.022

# Monochromacy



**Original Color**  
67, 51.229, 323.206



**Achromatopsia**  
69, 0.009, 296.813



**Achromatomaly**  
68, 18.695, 322.353

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 51.229, 323.206 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(210, 137, 219)` looks like.

```
.text, #text, p{  
    color:rgb(210, 137, 219)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(210, 137, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 137, 219) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 51.229, 323.206 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(210, 137, 219) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(210, 137, 219) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(210, 137, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 137, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 137, 219);  
box-shadow:4px 4px 4px 4px rgb(210, 137,  
219) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 51.229, 323.206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 137, 219) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(210,  
137, 219) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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